

USGT Class Rules and Specifications as of 9-7-2022

Chassis Specification:

Any 1/10 4wd or Fwd sedan with 4 wheel independent suspension

Weight Specification:

4wd Minimum 1350g in race-ready trim

Fwd no minimum weight

Ride Height Specification:

Minimum ride height is 5mm on Carpet

Tire & Wheel Specifications:

Tires-

CARPET p/n GRC123 (GRAY wheels) set of 4 available through Gravity RC

<http://www.teamgravityrc.com/> to dealers and retail

ASPHALT/OUTDOOR SURFACES

Mounted - GRC123, GRC124, GRC124GTB, GRC124GTW Unmounted tire - GRC125

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

MUST USE INCLUDED INSERTS

Wheels- Any 24mm - 26mm spoke (non-dish) type wheel

Motor Specifications:

The only legal motor for USGT will be the USGT Spec motor #GRC2000

USGT SPEC MOTOR RULES GRAVITYRC #GRC2000:

NO rotors, sensors or stators outside of the below specification provided will be considered legal. Aluminum or stainless steel main can or end bell screws are prohibited for USGT competition.

MOTOR TECH CHECKLIST:

MEASUREMENTS TAKEN AT ROOM TEMPERATURE OF 75DEG F*

AVERAGE STATOR POLE RESISTANCE: (TOLERANCE 30.0--30.7 ohms)

AVERAGE TIMING AT 5,000RPM: (TOLERANCE 30--33deg)

TOTAL SENSOR GAP: (TOLERANCE 0--3deg)

ROTOR ALIGNMENT: (TOLERANCE 0--5deg)

(These measurements were developed by Gravity RC with their in house test equipment. For assistance with motor technical inspection for your race or club track, contact Gravity RC at paul.lemieux3@gmail.com)

ROTOR: Must use stock rotor - USGT logo engraved on shaft

Approved ESCs:

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

Battery Specifications:

Any 7.4v - 7.6v 2s ROAR approved hard case batteries. 8.40v is voltage maximum allowed.

Race Specification:

6 minute qualifiers

8 minute mains (shorter mains may be specified by race director)

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

Body Specifications:

Refer to body list for currently available/approved bodies.

FWD ***MUST*** use FWD bodies.

Scale realism consideration:

Bodies intended for the USGT class should conform as closely as possible to the full scale car it represents. Added elements, including, but not limited to, cuts, channels, raised or lowered sections of the body, additional air control devices and distortion of the body shape are prohibited. Only the addition of a front splitter is allowed. While recognizing that translation of a full scale car to a 1/10 radio control model is never perfect, intentional distortion for aerodynamic gain is cause for rejection of a body.

A sample of the body may be requested for examination.

Body approval is a subjective process. The main aim is to preserve scale looks over ultimate aerodynamic performance. Questions on design can be sent to rjvking@hotmail.com prior to production.

Examples of bodies considered for approval:

- *Can AM or IMSA style bodies, similar to 1/12 or 1/8 bodies using an integrated wing are illegal. EX: Porsche 962 style bodies or LeMans P1.

- *Japanese GT OK

- *German DTM OK

- *NO Trucks vans minivans school buses garbage trucks, utility vehicles, moon landers, zambonis, golf carts, quads, etc allowed.

- *No fantasy or unproduced concept vehicles. If it's not a car it's not legal.

DISCONTINUED BODIES:

Discontinued unlisted bodies will be added as the USVTA sees fit to add them in based on the spirit of the class. Your Local track can always make adjustments to this rule...Please use the following if you want to deviate from the Body list for local racing

DISCONTINUED BODIES general guidelines:

- *Any 190mm or 200mm body appropriate for this class.

- *Body can be any body that is NOT or HAS NOT BEEN on the ROAR T2 body list.

Track director or race promoter has the final say on legality of discontinued unlisted bodies.

Altering the body for the purpose of lightening by sanding, scraping, or any other method is ILLEGAL.

Minimum finished body weight : 95 g -- Any weight which must be added to body for minimum weight requirement must be added on the underside of the roof panel

Paint:

Scale type race liveries encouraged. Ugly bodies will berated and scorned. No clear bodies.

Splitter:

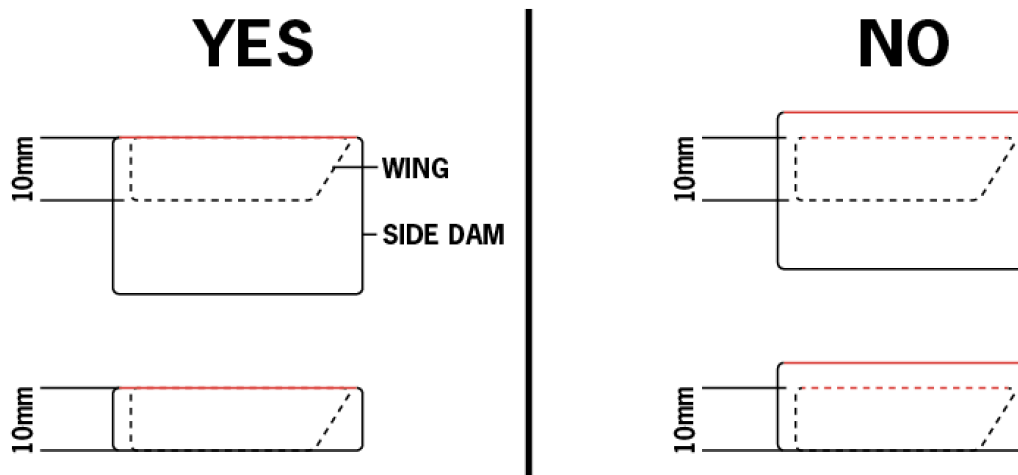
Bodies not equipped with a front splitter / spoiler may attach a flat lexan splitter to the front lower fascia. This must protrude from the front end parallel to the ground/track surface. When measured from the vertical surface of the body, it may extend up to 8mm. This device may only be mounted between the forward edges of the front wheel well arches. Bodies with molded in splitters may not extend or improve the molded in device.

Wing:

Any "SCALE" molded wings can be used.

Lexan wings 10mm maximum height / side dam height must match top edge of wing. Side dam may extend below wing. See diagram (courtesy Mike Rydwell).

Clear wings not allowed.



USGT BODY LIST: as of 07/20/2017

TAMIYA:

RC BODY SET FORD MUSTANG GT4 ITEM# 51614
RC Body Set Opel Calibra V6 ITEM# 84236
RC Body Set BMW M3 GT2 2009 – Lightweight ITEM# 84176
RC Body Set Nissan GT-R – Lightweight ITEM# 84069
RC Body Set Petronas TOM's - RC F ITEM# 51582
RC Body Set Subaru BRZ R&D - 2014 Rd.2 Fuji ITEM# 51575
RC Body Set Raybrig NSX - Concept-GT ITEM# 51563
RC Body Set Raybrig NSX - Concept-GT Lightweight ITEM# 47315
RC Body Set ENEOS SUSTINA RC F ITEM# 51562
RC Body Set LaFerrari ITEM# 51544
RC Body Set Mercedes-Benz SLS - AMG GT3 ITEM# 51534
RC Body Set Ferrari 458 ITEM# 51526
RC Body Set Mercedes-Benz SLS - Petronas Syntium AMG GT3 ITEM# 51519
RC Body Set Subaru BRZ R&D – Sport ITEM# 51515
RC Body Set Ferrari 599XX ITEM# 51474
RC Body Set Nissan GT-R - Sumo Power GT ITEM# 51453
RC Body Set Weider HSV-010 ITEM# 51447
RC Body Set Raybrig HSV-010 ITEM# 51429
RC Body Set BMW Z4 M Coupe ITEM# 51295
RC Body Set Ferrari F430 ITEM# 51201
RC Body Set Xanavi Nismo GT-R - R34 ITEM# 51041
RC Body Set Raybrig NSX 2003 ITEM# 49339
RC Body Set ARTA 2005 NSX ITEM# 51245
RC Body Set Raybrig NSX 2007 ITEM# 84065
RC Body Set ORC Amemiya SGC-7 ITEM# 51372
RC Body Set Xanavi Nismo GT-R - R35 ITEM# 51359
RC Body Set Lexus Mobil 1 SC ITEM# 51257
RC Body Set Motul Autech GT-R ITEM# 51584
RC Body Set Volkswagen Golf24 ITEM# 51497
RC Body Set Beams Integra ITEM#50968

PROTOFORM:

1543-30 | Cadillac ATS-V.R
1544-30 | Chevy Camaro Z/28
1533-30 | Chevy® Camaro ZL1 Clear Body
1542-30 | PFM-10
1557-39 | Chevrolet® Corvette™ C7.R
1563-25 | Chevrolet Corvette ZR1
1550-25 | Ford GT
1573-25 | Vittoria GT

1574-25 | Chevrolet Corvette C8

DISCONTINUED

PROTOform PRM1481 200mm Corvette C6-R

PROTOform PRM1531 190mm Lexus LFA Sedan

Protoform PRM1493 Vauxhall Astra 190mm

Protoform PRM 1492 Vauxhall/Opel Ventra 190mm

Protoform PRM 3098 Ferrari F360 Modena 200mm

Protoform PRM6151 Mercedes CLK DTM 190mm

Protoform BMW M3 190mm

McALLISTER:

#191 2003 Corvette

#192 MUSTANG COBRA

#211 JAGUAR XKR

#282 MERCEDES DTM

#307– MX-Stang GT body

#311 LeMans C6

EXOTEK:

#1762 P-ZERO GT

#1863 R•TEK GT

#1884 J-ZERO GT

#1947 P1-Z GT

#2064 TYPE A

BFGRC:

1/10 Mosler Raptor GTR

1/10 Shelby Daytona

Mon Tech:

MB-012-004 Mon-Tech RS-SPORT CUP Body 190 mm

MB- 007-005 Mon-tech E-B1 body 190 mm

(note MB- 007-005-new is a different body - NOT LEGAL)

MB-019-008 Mon-Tech Trofeo GST 190mm GT Body

MB-020-004 Mon-Tech RS GT3 190mm GT Body

MB-021-003 Mon-Tech Akura 190mm GT Body

HPI:

190mm

#17218 - NISSAN 350Z GREDDY TWIN TURBO
#7314 - HONDA S2000
#7327 - NISSAN SKYLINE R34 GT-R
#7335 - PORSCHE 911 TURBO
#7338 - HONDA CIVIC COUPE Si
#7340 - TOYOTA CELICA
#7341 - NISSAN SILVIA (S15)
#7352 - BMW M3 GT
#7373 - 2003 DODGE VIPER GTS-R
#7382 - MAZDA RX-7 FD3S
#7383 - HONDA NSX GT
#7385 - NISSAN 350Z NISMO GT RACE
#7388 - MAZDA RX-8 MAZDASPEED A SPEC
#7403 - MITSUBISHI ECLIPSE

200mm

Mazda RX-8 Speed A Spec #7488
Chevy Corvette C6 #17503
Dodge Viper #7473
Porsche 911 Turbo 997 #17527
2005 Ford Mustang GT-R #17504
BMW M3 GT2 E92 #17548
PAGANI ZONDA F #17523
Nissan GT-R R35 Clear #17538
Porsche 911 Turbo Clear #7435
Ford GT #7495
Lexus IS F Racing Concept #17542
2010 Chevrolet Camaro #17543
Alfa Romeo 8C Competizione #17544
Porsche 911 GT1 #7038
Toyota MR-S #7466
Porsche Carrera GT #7487

BITTYDESIGN:

Venom #BDGT-190VNM
AGATA # BDGT-190AGT
Seven20 # BDGT-190S20

Pitlane Hobbies/NutDriver Motorsports:

Marcos LM600 # PLLM600
AMGT #PLAMGT.
Gillet Vertigo #PLVERTIGO

SabulaTech:

STBL2104/Bolink BL2104 1996 Trans Am Mustang (TC)
BL2238 '94 Calibrate Touring Car Body 190mm (CALIBRA)
BL2297 '94 Marrow GT 200mm (CAMARO)

VATERRA:

2012 Nissan GTR GT3 Clear Body Set: V100 VTR230004
2012 Nissan GT-R Clear Body Set: V100 VTR230003
2015 Ford Mustang Body Set Unpainted VTR230039
2014 Chevrolet Corvette Z51 Body Set Unpainted VTR230037
2012 Chevrolet Camaro ZL-1 Clear Body Set: V100 VTR230002

The Build RC:

Honda NSX Raybrig 190mm Clear Part #: rcvp334310171
Aston Martin DBR9 190mm Clear Part #: rcvp334310075
FORD MUSTANG BOSS 302 190mm Clear Part #: rcvp334310157
BMW M3 Coupe 190mm Clear Part #: rcvp334310129
2014 Nissan GTR R35 Skyline 190mm Clear Part #: rcvp334310210
LEXUS SC430 DTM 190mm Clear Part #: rcvp334310169
BMW Z4 190mm Clear Part #: rcvp334310068
CITREN SURVOL 190mm Clear Part #: rcvp334310102
Dodge Challenger SRT8 2012 190mm Clear Part #: rcvp334310144
Nissan GT-R (R35) 190mm Clear Part #: rcvp334310089
Mercedes-Benz Carlsson C25 190mm Clear Part #: rcvp334310101
NISSAN S15 SP 190mm Clear Part #: rcvp334310168
MAZDA RX-7 RE 195mm Clear Part #: rcvp334310162
Peugeot 408 190mm Clear Part #: rcvp334310078
Mazda RX-7 Sport 185mm Clear Part #: rcvp334310215
Dodge Viper SRT10 ACR-X 190mm Clear Part #: rcvp334310099
NISSAN TY15 Silvia S15 190mm Clear Part #: rcvp334310137
HONDA CR-Z PC 195mm Clear Part #: rcvp334310158
Benz AMG C-Coup 190mm Clear Part #: rcvp334310155
FERRARI 599XX 195mm Clear Part #: rcvp334310165
AUDI R8 195mm Clear Part #: rcvp334310167
GTspirit Bugatti Veyron Special Editions 210mm Clear Part #: rcvp334310214
Volkswagen Golf GTI W12 195mm Clear part #:rcvp334310130
Lamborghini Gallardo 205mm Clear part #:334310200

COLT:

RX7 190mm Clear Part #: M2340
NISSAN GTR 190mm Clear Part #: M2341
911 GT1 200mm Clear Part #: M1136
CLK DTM 200mm Clear Part #: M1132
CLK GTR 200mm Clear Part #: M1130
NISSAN GTR 200mm Clear Part #: M2330
BMW M3 200mm Clear Part #: M1135
SUPRA 200mm Clear Part #: M2329
911 GT3 200mm Clear Part #: M1131
C5R Corvette 200mm Clear Part #: M1140
C6 Corvette 200mm Clear Part #: M2339
Mustang GTR 200mm Clear Part #: M2336

ASSOCIATED:

Lexus RC F Body, clear Part #: 31458
Scion FR-S Body, clear Part #: 31461

Delta Plastik:**200mm:**

FT001- Alfa Romeo 8C

0055 - Ferrari Enzo

0033 - Audi TT

0037 Porsche 911

0038 - W12

0040 F50

0049 Viper

0050 Lotus Elise

0052 - CLK

0055 - Ferrari Enzo

0056 Diablo

0058 BMW M Coupe
0402 - PANOZ ESP. GTR-1
0405 Mustang
0406 - 406 Racing
0407 - MC12
0410 - BMW Z3
0417 - Ferrari F355 Challenge
0419 - Mercedes CLK

190mm:

0020 - BMW M3
0023 - Audi A3
0024 - CLK
0031 - 406 Racing
0039 - SLK
0042 - Honda NSX

Killerbody

2011 Camaro....part# 48023
Alfa Romeo 155 GTA....part#48472
Alfa Romeo 75 Turbo Evoluzione....part# 48481
Alfa Romeo T23 Corsa....part#48296
Corvette GT2....part#48011

3Racing

LBD-CIVICMK9 - Civic MK9 Body

TEAM BLUE GROOVE:

TBG N TYPE 1/10 300ZX IMSA GTO BODY
KYOSHO MGB MK1 BODY AND WINDSHIELD VINTAGE
NOSTALGIC
TBG VINTAGE TAISAN P TYPE 911 GT2 BODY
MK3 VR6 GOLF BODY

GOLF V5 BODY
VETTE C5 FOR TOURING CAR
F TYPE F50 BODY
LOW TUS ELISE BODY
P TYPE 206 BODY
F TYPE F355 F 355 BODY
VINTAGE AC COBRA 427 BODY
VINTAGE 1963 VETTE BODY

ZOO RACING

ZooDiac - GT #ZR-0007-07

BWOAH ZR-0012-07

EVO RACE

BM4-GT #ERGT0019

PZ-R GT #ERGT-PZR