

USVTA F1 rules - (based on BRCA rules)

1. Construction Rules

1.1 Formula 1 cars from year 2008 and newer that are a realistic representation of an original FIA Formula 1 car may be raced in this class. Drivers may have to show that the car is modeled after a current era Formula 1 car. (e.g.. No 6 wheel cars)

1.2 Cars will be painted and detailed to resemble a Formula 1 car. Drivers may have to show that the paint scheme, layout and detailing have appeared on a full-size Formula 1 car if requested. Random color schemes with no detailing are discouraged.

1.3 Chassis based on other classes (GT10 or 12th Scale) are not allowed.

1.4 All cars must conform to appearance, radio, general, battery and motor rules and comply with the 'spirit' of 1/10th scale Formula 1 cars. All decisions of the track/race director organizing a race concerning appearance and 'spirit' are final.

1.5 Any commercially available F1 car kit is allowed providing it complies with the dimension rules and has rear axle hex wheel fitment.

1.6 Wheelbase max 285mm, width max 190mm

1.7 Minimum weight: 2S 21.5/25.5 Class 1050g including timing equipment

1.8 Maximum wheel width 40mm. Cars must have 4 wheels.

1.9 F1 car wings must be to scale and be commercially available; otherwise they are free - i.e. you can mix different kit wings. Turning vanes, third wings, diffusers, etc. are free but must be to scale.

1.10 Grill and air vents may be cut to the original size and position only.

1.11 Chassis modifications are allowed, providing the car still meets general requirements.

1.12 Rear wheel drive only is allowed.

1.13 Front independent suspension is allowed. Suspension pick up points must be mounted inside the body.

1.14 All radio, electronics & lap counting equipment (excluding aerial) must be housed inside the bodyshell.

1.15 No part of the chassis may protrude outside the bodyshell when viewed from above. All horizontal parts of the chassis must be inside the body. Bodies may be trimmed for proper rear suspension/pod movement, but excessive trimming can be cause for pre race disqualification at the discretion of the tech inspector or race director. Bodies should only be trimmed to allow suspension movement, and maintain scale appearance.

1.16 Tires must be black except for sidewall detail.

1.17 The Tamiya "TCS" or Calandra "CRC" side wall tires are recommended.

1.18 Only hex-fitting rear wheels are allowed. Wheels using bolt fittings (such as 12th / GT10 wheels) or narrow wheels designed for Touring Cars are not allowed. Only wheels designed and sold for F1 cars are allowed.

2 Definition of a Spec Motor

2.1 Motors allowed – any 21.5/25.5 motor listed in the ROAR lists as updated from time to time.

2.2 Motors must conform to the relevant technical specifications detailed in ROAR Rules.

2.3 25.5 ROAR spec motors are the standard for this class. 21.5T class may use a 21.5T brushless motor approved on ROAR list if 21.5 is the standard locally and 25.5 is not offered.

3 Batteries Allowed

3.1 Any 2S pack conforming to the current Electric ROAR battery list.

3.2 2S with a maximum nominal voltage of 7.4v - 7.6v. 8.4v is maximum allowed battery voltage.

4 Body List

Tamiya: Bodies

Tamiya #51377 (SP-1377) 1/10 RC F104 Body Set

F104 (2017) #51602,# 47436 (LW)

Ferrari F2012 #51522

Ferrari F60 #51397

Vodafone McLaren - Mercedes MP4-24 #51430

Wings included with these body sets are legal, and can be used separately and mixed

Protoform:

Bodies

F1-Thirteen #1537-30

F1-Fourteen #1538-30

F1-Fifteen # 1545-30

Wings

Rear #1723-00

Front #1729-03, #1722-00

Bitty Design:

Bodies

TYPE-6C BDF1-T6C

TYPE-6R BDF1-T6R

Mon-Tech:

Bodies

F2011 #011-003

F15 #015-004

Wings

2017 Front MB-017-006, MB-017-007

2015/2016 F1 Front MB-015-006, MB-015-009

Rear F1 2015/2016 ETS Wing MB-015-007, MB-015-008

Xray:

Bodies

Xray X1 16 #379701

Xray X1 17 #379700

Wings

X1 COMPOSITE REAR WING - BLACK #373511, 373511-K

XRAY X1 Composite Adjustable Rear Wing #XRA373512, XRA373512-K

X1 COMPOSITE ADJUSTABLE REAR WING ETS APPROVED #373513, 373513-K

XRAY X1 Composite Adjustable Front Aero Wing #XRA371202, XRA371202-K

371203 X1 COMPOSITE ADJUSTABLE FRONT WING ETS APPROVED #371203, 371203-K

ZEN:

Bodies

Century F1 Body Set ZF04 # Z0008

Century F1 Body Force-India #Z0005L

SpeedPassion:

Bodies

F-68 #SP000179

BLITZ Racing:

Bodies

F101 #60907

RCON:

Bodies

RC.ONE #RCB-F012

JConcepts:

Bodies

J21 Javelin #0342

**WRC Racing:
Bodies**

F1 High Downforce #02024-3

F1 Turbo Look #02024-4

Note WRC front wings specific to the WRC car are allowed

**Serpent:
Wings**

Wing front #411352, 411353

Rear Wing Wide #411369, 411370

Rear wing #411354, 411355

**Associated:
Wings**

RC10F6 Front Wing Part #8676

RC10F6 Rear Wing Part #8678

