

# SoCal CAILL CHALLENGE



## 2018 Class Structure (rev.11/7/2018)

Race Officials follow the 2018 WKA Technical Rule book except where noted.

Spec Fuel: See individual class listings for specified fuel. Mixing of fuel brands or types is ILLEGAL and will result in a DQ.

Legal 87 octane pump gas can be purchased at this local station only:

ARCO (AM/PM Market)  
2985 Rubidoux Blvd.  
Riverside, CA 92509  
(60 Fwy @ Rubidoux Blvd. exit)

It is advised to purchase pump fuel the day of the race. A test sample will be taken that day and used by Post Tech for comparison.

Spec Oil: Motul Kart Grand Prix 2T for all two-stroke classes. Rotax engines may use XPS oil.

### ***Kid Kart Honda***

- Competition age: 5-7 years old
- Weight: 160 lbs.
- Tires:
  - Evinco "H" Blue tire 4.60/10.0-5 front and rear
  - Bridgestone YLR 4.5/10.0-5 front and rear
- Wheels: No width restrictions
- Engine:
  - Honda GX50 16t front driver/ 89t rear sprocket

- **Fuel:** Pump gas only(see Spec fuel at beginning of list)
- **Tech specs:** Honda engine must have factory seals intact and runs per HPD rules.

## ***TaG Micro***

- **Competition age:** 7-10 years old
- **Weight:** 225 lbs.
- **Tires:**
  - Evinco “H” Blue tire 4.60/10.0-5 front and rear
  - Bridgestone YLR 4.5/10.0-5 front and rear
- **Wheels:** No width restrictions
- **Engine:**
  - IAME Micro Swift 60cc restricted header as supplied by manufacturer
  - Vortex Micro Rok 60cc restricted header as supplied by manufacturer
- **Fuel:**VP C12 or pump gas (see Spec fuel at beginning of list)
- **Tech specs:** Micro Swift & Micro Rok see addendums on Tri-C Karters website.

## ***TaG Mini***

- **Competition age:** 8-12 years old
- **Weight:** 245 lbs.
- **Tires:**
  - Evinco “H” Blue tire 4.60/10.0-5 front and rear
  - Bridgestone YLR 4.5/10.0-5 front and rear
- **Wheels:** No width restrictions
- **Engine:**
  - IAME Mini Swift 60cc
  - Vortex Mini Rok 60cc
- **Fuel:**VP C12 or pump gas (see Spec fuel at beginning of list)
- **Tech specs:** Mini Swift & Mini Rok see addendums on Tri-C Karters website.

## ***TaG Junior***

- **Competition age:** 12-16 years old
- **Weight:** 320 lbs.
- **Tires:**
  - Evinco “Red” 4.6/10.0-5 front, 7.10/11.0-5 Rear
  - Bridgestone YLR 4.5/10.0-5 front, 7.1/11.0-5 Rear
- **Engines:**

- Rok GP with Junior spec factory header
- IAME X30 with 26mm factory header
- IAME Leopard 08 & 09 with 25mm factory header
- **Fuel:** VP C12 or pump gas (see Spec fuel at beginning of list)

### ***Briggs LO-206 Junior:***

- **Competition age:** 11-15 years old
- **Weight:** 310 lbs minimum kart and driver combined
- **Tires:**
  - Bridgestone YLC 4.5/10.0-5 front, 6.0/11.0-5 Rear
- **Engine:** Briggs & Stratton LO206
  - Carburetor slide - Black (stock)
  - See Briggs & Stratton 2018 LO206 Regulations
- **Clutch:**
  - See Briggs & Stratton 2018 LO206 Regulations
- **Fuel:** pump gas only (see Spec fuel at beginning of list)
- **Tech specs:** B&S LO206 Regulations see addendum on Tri-C Karters website.

### ***Briggs LO-206 Senior:***

- **Competition age:** 15+ years
- **Weight:** 355 lbs.
- **Tires:**
  - Bridgestone YLC 4.5/10.0-5 front, 6.0/11.0-5 Rear
- **Engine:** Briggs & Stratton LO206
  - See Briggs & Stratton 2017 LO206 Regulations
- **Clutch:**
  - See Briggs & Stratton 2018 LO206 Regulations
- **Fuel:** pump gas only (see Spec fuel at beginning of list)
- **Tech specs:** B&S LO206 Regulations see addendum on Tri-C Karters website.

### ***Briggs LO-206 Masters***

- **Competition age:** 35+ years
- **Weight:** 370 lbs.
- **Tires:**
  - Bridgestone YLC 4.5/10.0-5 front, 6.0/11.0-5 Rear
- **Engine:** Briggs & Stratton LO206
  - See Briggs & Stratton 2018 LO206 Regulations
- **Clutch:**
  - See Briggs & Stratton 2018 LO206 Regulations

- **Fuel:** pump gas only (see Spec fuel at beginning of list)
- **Tech specs:** B&S LO206 Regulations see addendum on Tri-C Karters website.

### ***100cc TaG Jr.***

- **Competition age:** 12-15 years old
- **Weight:** 320 lbs.
- **Tires:**
  - Bridgestone YLC 4.5/10.0-5 front, 7.1/11.0-5 rear
- **Engine:**
  - Vortex Rok VLR 100cc with restricted header
  - lame KA100 with restricted header
- **Fuel:** VP C12 or pump gas (see Spec fuel at beginning of list)
- **Tech specs:**
  - Vortex Rok VLR 100cc
  - lame KA100 - see addendum on Tri-C Karters website.

### ***100cc TaG Sr.***

- **Competition age:** 15+ years old
- **Weight:** 360 lbs.
- **Tires:**
  - Bridgestone YLC 4.5/10.0-5 front, 7.1/11.0-5 rear
- **Engine:**
  - Vortex Rok VLR 100cc
  - lame KA100
- **Fuel:** VP C12 or pump gas (see Spec fuel at beginning of list)
- **Tech specs:**
  - Vortex Rok VLR 100cc
  - lame KA100 - see addendum on Tri-C Karters website.

### ***100cc TaG Masters***

- **Competition age:** 35+ years old
- **Weight:** 380 lbs.
- **Tires:**
  - Bridgestone YLC 4.5/10.0-5 front, 7.1/11.0-5 rear
- **Engine:**
  - Vortex Rok VLR 100cc

- Iame KA100
- **Fuel:** VP C12 or pump gas (see Spec fuel at beginning of list)
- **Tech specs:**
  - Vortex Rok VLR 100cc
  - Iame KA100 - see addendum on Tri-C Karters website.

## **100cc Sr.**

- **Competition age:** 15+ years
- **Weight:**
  - Yamaha KT-100 @ 340 lbs w/RLV 3 pipe.
  - Yamaha KT-100 @ 350 lbs w/Formula Y pipe.
  - KPV 2 pipe @ 360 lbs.
  - KPV 3 pipe @ 360 lbs.
  - KPV 4 pipe @ 390 lbs.
- **Tires:**
  - Bridgestone YLC 4.5/10.0-5 front, 7.1/11.0-5 rear
- **Engine:**
  - Yamaha KT-100 w/RLV 3 pipe or Formula Y pipe.
  - KPV-100 with 2 pipe\*.
  - KPV-100 with 3 pipe\*.
  - KPV-100 with 4 pipe\*.
- **Pistons:** Yamaha KT-100 pistons are allowed in the KPV. Engine must meet WKA technical measurements for the KPV.
- **Carburetor:** Walbro WB-3A
- **Clutch:**
  - Yamaha KT-100 wet or dry clutch. Direct drive is legal.
  - KPV-100: Spec IAME KPV clutch or Horstman EXPD clutch legal (previous tech rules will apply to the Horstman clutch).
- **\*Exhaust Pipe for KPV 2:**
  - “Horstman” HPV-2 pipe with removal end cap allowed. Flex length is 10” minimum, no maximum.
  - “Horstman” HPV-2 pipe with welded on end cap allowed. Flex length is 10” minimum, no maximum.
  - “K-2” stamped pipe allowed. Flex length is 10” minimum, no maximum.
- **\*Exhaust Pipe for KPV 3:**
  - “Horstman” HPV-3 pipe with removal end cap allowed. Flex length is 12” - 12.5”
  - “Horstman” HPV-3 pipe with welded on end cap allowed. Flex length is 11.875”-12.375”
  - R.L.V. 3 pipe allowed. Flex length is 9.375” - 9.875”
- **Exhaust Pipe for KPV 4:**
  - “Horstman” stamped HPV-4 pipe with flex length of 10”-10.5”
  - “H-4” stamped KPV-4 pipe with flex length of 9.875”- 10.375”
- **Exhaust Pipe for Yamaha:**
  - R.L.V. 3 pipe with flex length of 9.375” - 9.875”

- Formula Y pipe with flex length of 12.25”-12.75”.
- **Fuel:** VP C12 or pump gas (see Spec fuel at beginning of list)

## **Rok GP 125 Sr.**

- **Competition age:** 15+ years
- **Weight:** 380 lbs.
- **Tires:**
  - Bridgestone Rok YLR 4.5/10.0-5 front, 7.1/11.0-5 rear
- **Engine:**
  - Vortex Rok GP 125cc
- **Fuel:**VP C12 or pump gas (see Spec fuel at beginning of list)
- **Tech specs:** TBA

## **TaG 125 Sr.**

- **Competition age:** 15+ years
- **Tires:**
  - Evinco M “Red” 4.60/10.0-5 front, 7.10/11.0-5 Rear
  - Bridgestone YLR 4.50/10.0-5 front, 7.10/11.0-5 Rear
- **Weight:**
  - **Vortex Rok GP** **380 lbs.**
  - **lame X-30** **365 lbs.**
    - ONLY Tillotson HW-27A carb allowed
    - Carbon fiber reeds are NOT allowed. Stock reeds of a minimum thickness of .012” allowed.
  - **lame Leopard 08 and MY09** **360 lbs.**
  - **Rotax** **365 lbs.**
    - Engine must be sealed and have a matching passport and tech per current Rotax Max Challenge rules.
  - **Vortex Rok TT** **375 lbs.**
  - **PRD Fireball** **345 lbs.**
- **Exhaust:** Header & silencer as supplied by the manufacturer for that specific engine.
- **Carburetor:** Stock carburetor as supplied by the manufacturer for that specific engine.
- **Radiator:** Aftermarket radiators allowed.
- **Fuel:** VP C12 or pump gas (see Spec fuel at beginning of list). Rotax engines can use VP MS93 with XPS oil.

## **TaG 125 Masters:**

- **Competition age:** 30+ years
- **Tires:**
  - Evinco M “Red” 4.60/10.0-5 front, 7.10/11.0-5 Rear
  - Bridgestone YLR 4.50/10.0-5 front, 7.10/11.0-5 Rear
- **Weight:**
  - **Rotax** **395 lbs.**
    - Engine must be sealed and have a matching passport and tech per current RMax rules.
  - **Yamaha Leopard 08 and MY09** **390 lbs.**
  - **Yamaha X-30** **395 lbs.**
    - ONLY Tillotson HW-27A carb allowed
    - Carbon fiber reeds are NOT allowed. Stock reeds of a minimum thickness of .012” allowed.
  - **Vortex Rok TT** **405 lbs.**
  - **PRD Fireball** **375 lbs.**
- **Exhaust:** Header & silencer as supplied by the manufacturer for that specific engine.
- **Carburetor:** Stock carburetor as supplied by the manufacturer for that specific engine.
- **Radiator:** Aftermarket radiators allowed.
- **Fuel:** VP C12 or pump gas (see Spec fuel at beginning of list). Rotax engines can use VP MS93 with XPS oil.