

# Castlemaine Billy Cart Challenge

## **SAFETY RULES and VEHICLE GUIDELINES 2018**

ALL PARTICIPANTS MUST SUBMIT ENTRY FORMS BY **October 1<sup>st</sup>**

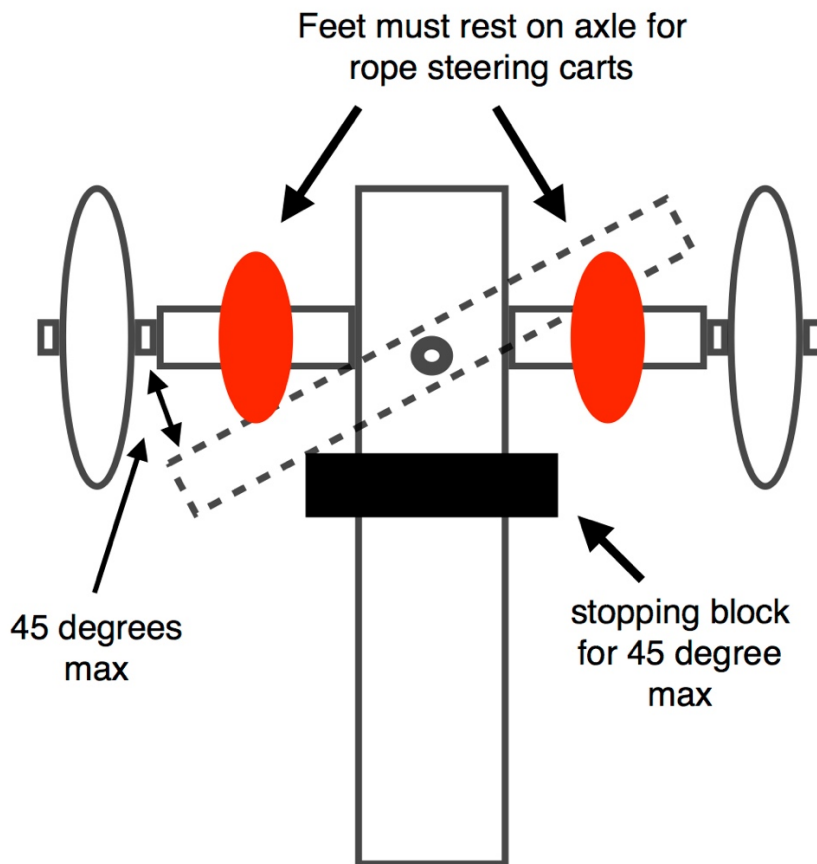
**NOTE:** For **PRO LEVEL** scrutineering will be held on the **DAY BEFORE**  
For other categories, billy carts will be checked on the day.

There are seven **race** categories:

- **Under 12** -down Mostyn St (between Andrew and Urquhart St)
- **12+ Open** -down Mostyn St (between Andrew and Urquhart St)
- **16+ Open** -from Mostyn St (between Andrew St and Burke and Wills Monument)
- **Pro Level** -from the top of Mostyn St (between Andrew St and Burke & Wills Monument)
- **Norma Gray Community Spirit Award**
- **Most Salvaged Cart** (best use of recycled materials)
- **Most Creative Cart** -Trishy Hay Memorial Trophy

### **EVERYONE READ BELOW**

- Each participant needs to register and fill **Entry and Indemnity Form**
- All 18 y/o and under forms must be signed by a Parent/**Guardian**
- **All carts must pass scrutineering for their specific category** as outlined below
- All participants must present for scrutineering process on morning of race day. **NOTE: For PRO Level this will be held the day before.**
- A fee of \$5 per participant (not per cart) is applicable for the Under 12 and Under 16 categories
- A fee of \$15 per participant (not per cart) is applicable for the 16+ Open and Pro Level category
- Businesses are welcome and encouraged to enter their billy carts. A billy cart with business branding will be charged \$50 for the business entry fee
- One person per billy cart - no tandems
- All safety gear (as below) must be worn
- The same billy cart can be used by up to three participants, however each person **must** complete a separate entry with a signed indemnity
- Billy carts must be constructed and have wheels attached in a safe manner
- Carts will be timed electronically. Fastest time wins
- Any vehicles damaged during racing will need to be re-checked by the scrutineers



**The above stopping block MUST be in place.**  
**Any entries that fail this check will be deemed unsuitable for use.**

### **Under 12 and Under 16 ONLY**

(Take off from halfway down Mostyn St)

- Rope steering accepted (maximum pivot 45 degrees, refer to diagram)
- Must have brakes. Ideally on BOTH wheels. Braking on one wheel only can cause the cart to veer to one side. Refer to braking diagram below
- Maximum weight 50kg (without driver)
- Approved helmet. Helmets are to be of Australian Standard and can be an approved bicycle or motor bike helmet.
- Long sleeves/pants
- Gloves
- Knee and elbow pads recommended
- Closed toe shoes
- No sharp exposed edges
- No unsecured or loose items allowed in the billy cart
- Must be a foot first driving position- No 'Superman' or 'Superwoman'

## **PRO LEVEL and 16+ Open Vehicle Guidelines**

**NOTE: This is for 16+ Open and PRO LEVEL only (top of Mostyn St)**

Scrutineering for these categories will be held the **DAY BEFORE**

The track is STEEP and FAST. Speeds approach 60km/h.

**WARNING: Race day should not be your test run.**

**Ensure you have driven and road tested your cart  
on a significant hill prior to the day.**

**SERIOUSLY, this is the steepest billy cart race track in Australia.**

Follow the guidelines below and you will pass scrutineering.

### **GENERAL SAFETY**

- All drivers must wear a MOTORBIKE helmet (full-face BIKE helmet acceptable)
- CLOTHING - Motorcycle jackets/body armour, heavy overalls, jeans etc, gloves and boots must be worn. **These must be presented with vehicle at scrutineering the day before**
- Minimum age of driver is 16
- One person per vehicle. Driver must be facing feet first.
- Adding ballast after inspection will lead to disqualification
- The total weight of the vehicle **must not exceed 80kg** (Driver not included)
- No Ride-On mowers

### **WHEELS**

- Minimum rim diameter 8 inch (200mm)
- The vehicle must have wheels that are designed to go at speed ie: bike tyres
- Castors, trolley wheels, wheelbarrow wheels, pram etc will NOT be accepted
- Skateboard wheels not accepted. Sorry bro/sis
- Three wheeled vehicles are accepted, conditional to single wheel at the front, two wheels at the back and steering at the front

### **WHEEL ATTACHMENT**

- Wheel needs to be supported as it was originally engineered.  
Eg: A bike wheel needs to have axle supported both sides ie: like a bike fork
- Split pins/washer setups are NOT acceptable
- Must have a locking nut/spring washers/Nylock

### **BRAKES**

**There will be a brake test.** Brakes must hold vehicle under load ie: being pushed from rear by scrutineer.

- No cable brakes on front wheels, with the exception of three wheeled vehicles . (These brakes can favour one side under load and make vehicle pull to one side)
- Rear cable brakes ok
- Front hydraulic brakes on a linked system accepted
- Drag/plunge brakes are not allowed

### **VEHICLE DIMENSION**

Track width (distance between wheels on same axle) must be no less than 750mm. The minimum wheelbase (distance between front and rear axle) must be no less than 1200mm.

### **STEERING**

- Definitely NO rope steering and no steering with feet or other hairbrained approaches
- Must have mechanical steering that allows full control at all times. ie: rack and pinion, bell crank or pushbike type set-up (for 3 wheelers)

### **TOWING EYE**

Vehicles preferably will have a 30mm (minimum) diameter steel ring or D-shackle attached to the front AND rear for towing back up the hill. In the absence of a towing eye, assistance to the top of the hill may not be available.

## **PLEASE NOTE:**

The head scrutineer has **FINAL** call over all decisions made. Please be accepting of this as SAFETY and INTEGRITY of the event is our priority.

Please work with us to maintain the positive spirit of the Castlemaine Billy Cart Challenge.

### **Dr. Norma Gray Community Spirit Trophy**

The Castlemaine Billy Cart Challenge was founded with the intention of bringing people together through fostering community partnerships. We encourage families, community groups, schools, service groups and other community organisations to work together on joint projects. Dr, Norma Gray was one of the early pioneers of Soap Box Derbies and Billy Cart racing in Australia. Norma is a long time Castlemaine resident, has a long time family connection with the race and is a strong supporter of the values and goals of the Castlemaine Billy Cart Challenge.

### **Most Creative Cart- Trishy Hay Memorial Guidelines**

This category is in memory of Patricia Hay. No one loved a kooky community event more than Trish. She was also incredibly creative. Hence, we encourage people to get as creative as possible. This category is completely open to interpretation and is open to all billy carts- whether they race or not. Anything goes!

Additionally, carts deemed unsuitable/too dangerous for racing can be entered into this category and still go home with a prize.

### **The Most Recycled Cart Guidelines**

This category is sponsored by The Salvage Yard and will be judged on the best use of recycled/second hand materials. This is in the tradition of billy carts- making something out of nothing.