



## ROTARY CLUB OF WHANGAPARAOA INC

P O Box 197, Whangaparaoa 0943

### Tech Tip 2011-1

#### 1. 2011 Safety Issue

##### Soapbox Derby Brake Cables

It has been brought to our attention that brake cables have snapped under pressure in the past.

This may be due to either:-

- An over zealous application of the brakes;
- Poor quality cables supplied by Akron fraying and then breaking after considerable use.

Proposed solutions:-

- Wrap the cable twice around the eye bolt before securing;
- Use a higher quality cable
  - High quality game fishing cable of the same twist and strength is ideal.
- This applies to both eye bolts on the braking system as well as the steering eye bolts.

Soldering:-

- Please solder the ends of all cables.
- REASON:- If a cable has to be replaced between races cables with soldered ends thread quickly. Unsoldered cables have been know to take up to 15 minutes to replace.

#### 2. Lunging

I draw your attention to AASBD Rule A-8.02.

A-8.02      A participant in the Stock or Super Stock Division must remain in the lean forward position with his or her eyes above the centre line (top of shell) of the racer throughout the entire heat.

This is what is refereed to as lunging.

If any driver deliberately thrusts their body forward to get momentum at the start of their race will be disqualified as it is contrary to the AASBD rules.

### **3. Painting of Internals of the Trolley Bodies**

Painting of the interior of the trolley is against the rules.

New trolley's shall not be painted, however, ones that have been in the past will have dispensation to race until the trolley is retired.

Terry Clarkson  
**NZ RACE DIRECTOR**

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