

2008 Otago Southland Grass Kart Challenge



S.B.H.S Team

2008



Laurence Duncan



Jordan Andrews



Jordan Philips



Curtis Williams



Greg Robertson



David Patterson



Cameron Fahey



Andrew Wilson

Positions in Team

- Manager ... Curtis Williams
- Fabricator ... David Patterson
- Fabricator ... Jordan Andrews
- Welder ... Jordan Philips
- Welder ... Andrew Wilson
- Mechanic ... Laurence Duncan
- Finisher ... Cameron Fahey
- Record keeper... Greg Robertson

Starting out

- After looking at existing kart frames and researching the internet we found a chassis design that we all agreed on.
- We started cutting out our frame rails and tacking them together.
- We practiced bending a few scraps of pipe first.
- Getting the opposite sides to match each other was tricky.



Setting up the steering

- Steering set up was the most difficult part of the frame / chassis.
- David's brother was in the grass kart team last year and has Karts at home so had some experience.
- Getting the Kart to sit level was also difficult and it took a couple of attempts to get it right.



Mid Build Met

- Half way through the competition all the Southland schools got together at S.I.T for the mid build met.
- Greg Murphy was the guest speaker, and he commented on our kart, stealing set up ideas, which helped him achieve second place at Bathurst this year.



Painting the Frame.

Laurence spotted the new \$\$ Commodore colour CRUNCH

and after speaking to GWD's Paint shop they kindly mixed the paint for us and gave us their 3rd year apprentice for half a day to help us paint our frame.

Big thanks GWD's for your generous help.



Chrome plating

Steve Winteringham from CLASSIC CHROME gave us a fantastic deal on the chrome plating to add an extra taste of BLING.



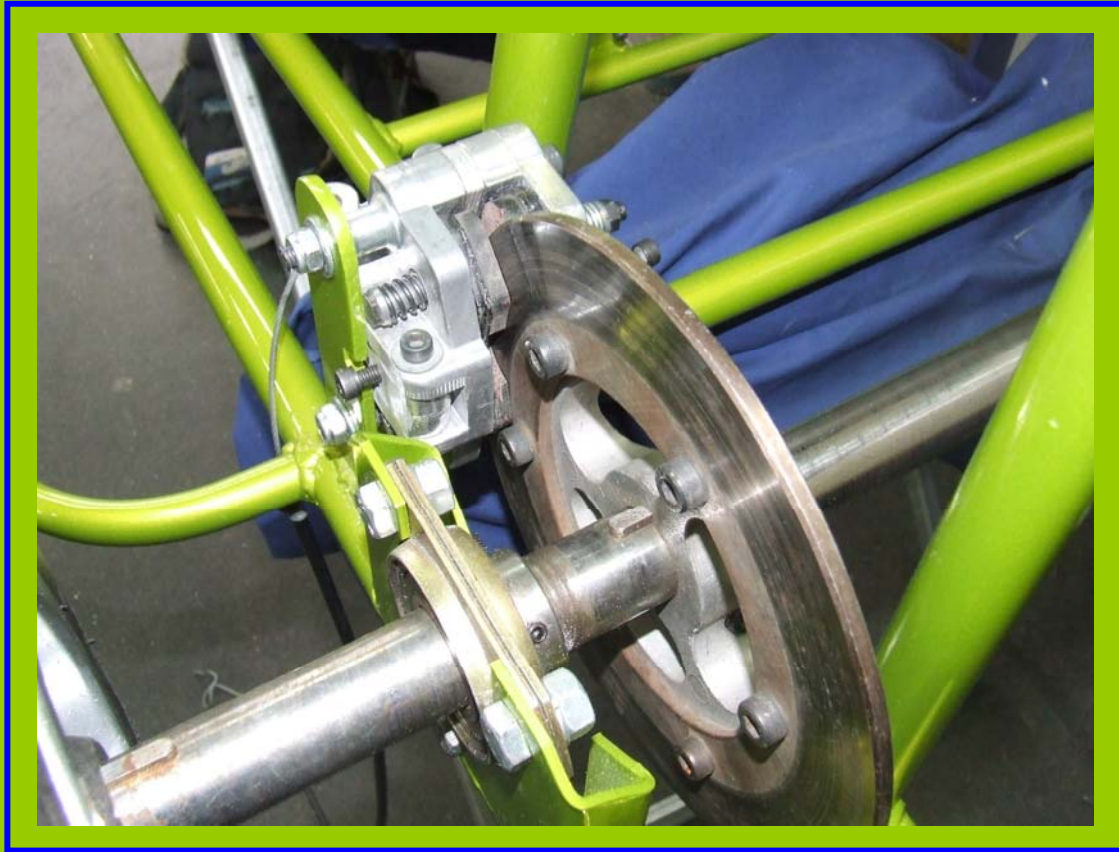
What have we enjoyed Most so far?



Testing ... Here's Jordan testing the karts handling ...

Where's that grounds keeper?

What have we enjoyed least so far?



Finding that there wasn't enough room for the brake calliper once the roll bar had been fitted, to overcome this problem we machined the outside of the brake calliper and the inside of the brackets to get the calliper to fit.

What have we learned so far?

- That time spent planning tasks is time well spent.
- That time spent practicing bending the tubing with scraps, saved a lot of guesswork and wasted materials.
- That when you ask for sponsors help with your project, that you then have to be patient, because they have deadlines to met as well.
- That the finishing details are what makes your finished project really stand out.

What would you do differently?

Put in more hours earlier in the competition, to ensure that we had more time to spend testing the Kart and getting used to its handling.

Upholster the seat to make it more comfortable.



What is the single piece of best advice to give
to other teams?

As fun as these karts are ..
Safety is a must !

We can't take any risks if we
want to ensure this competition
continues for future students.

So, safe racing over the weekend.

What is the funniest thing that has happened so far?



Seeing the look on Mr Bailey's face when we tested the grass kart to close to his cricket pitch.