



242 Orion Avenue, Monument Park, 0181 Tel: 012 460 9999 Fax: 012 346 7479  
Cell: 082 490 7314 e-mail: admin@shelbycanam.co.za Web: www.shelbycanam.co.za

## **TECHNICAL BULLETIN 2/2006**

7<sup>th</sup> March 2006

### **PROGRESS REPORT ON THE CPR GEARBOX AND NEW BODY**

#### **CPR Gearbox**

Herewith just a short feedback to update you on the progress of the gearbox

On Tuesday night 28<sup>th</sup> February the gearbox was bench- tested with all electronics fitted. It ran well, going up and down through the gears without any problems. It was decided to install the gearbox into Colin's car so a test could be performed under load on a dyno. On Wednesday the job was complete for the test run and again the gearbox was put through its paces, this time with the car on a stand using the brakes as resistance to the wheels. All went well, changing up and down without a clutch.

On Saturday 4<sup>th</sup> March 06, the car was taken to DAW's workshop so we could dyno test the car under load.

With the help of Greg and his crew, we ran the car first without a load on the back wheels. All went well. When a load was applied to the back wheels, all went well changing the gears upwards, but when changing down, we experienced the 3<sup>rd</sup> gear jumping into a neutral position. After a few attempts the same re-occurred so the top of the gearbox was removed (inspection hole) to see if the problem could be solved.

Running the gearbox at low revs, we could see that the selector pin landing (flat section) was too small so the pin could disengage the gear once power was applied. It was hard to believe that such a small problem could cause the first running of the new design gearbox to fail.

We spent the whole of Sunday refitting my old gearbox so as to race in Cape Town. New ideas have already been put into action so as to re-design the selector barrel to solve the problem. Richard and myself will run standard gearboxes in Cape Town and hope to re-test the new gearbox and have it ready for Welkom.

#### **The New Body**

As discussed at the Noggin the new body design is to go ahead, co-ordinated by a "New Body Committee". An order has been issued to ACD Designs to start preparing themselves to manufacture the plug for the body. Parts of Ian's cut-up body will be sent to ACD to help the Committee design the body. A complete chassis will be sent to ACD's workshop to make sure all low-lying body parts will fit.



242 Orion Avenue, Monument Park, 0181 Tel: 012 460 9999 Fax: 012 346 7479  
Cell: 082 490 7314 e-mail: [admin@shelbycanam.co.za](mailto:admin@shelbycanam.co.za) Web: [www.shelbycanam.co.za](http://www.shelbycanam.co.za)

After Cape Town's race the committee will be formed from all interested parties and a meeting will be held to finalise the design for the body. If you have any input please contact the Technical Committee (either Colin Frost or Harry Roscoe) as all help will be welcome!

Colin Frost  
Chairman  
Technical Committee