



## RG MOTORSPORT NEWSLETTER

*RGM'S SIGNATURE SUPERCHARGED BMW E92 M3  
NOW ONLY 3 WEEKS AWAY FROM ROAD TESTING.*



25/05/09

*Excitement mounts as this SIGNATURE RGM Supercharged BMW E92 M3  
is getting ready to roll*



We are now approaching the countdown stages after most of the purposely designed and fabricated components are ready and this now allows the R&D technicians to start assembling this RGM signature supercharged development conversion. The dedicated RGM development team that is involved in bringing this project to life will be seen with huge grins on their faces as the bits and pieces are assembled bringing them a step closer to having this vehicle up and running and ready for the electronic mapping process. New techniques have been applied on the design and fabrication side which will allow this bolt on supercharge conversion to be installed by qualified technicians within a 3-5 day period . Carbon fibre will be playing a major role in this prestigious conversion and the final product will not only be an awesome and powerful E92 M3 BMW but it will also be a work of art . Aesthetics play a very big role in a vehicles presentation and the RGM development team spared no expenses in making sure that this vehicle will look as good as it is going to perform.



## RGMotorsport's Dyno & Electronic Tuning Facilities

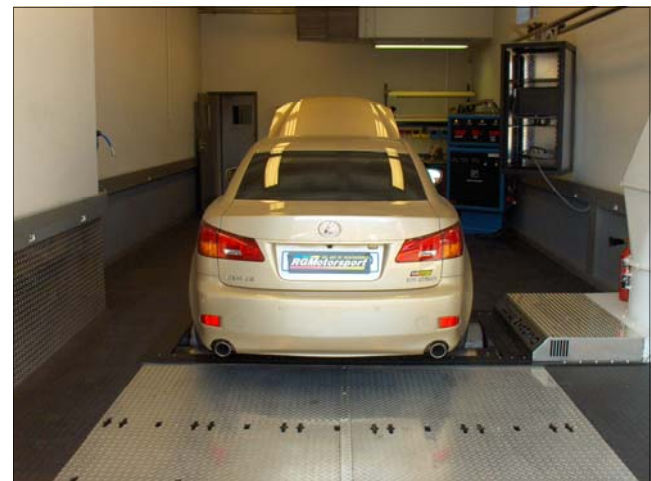
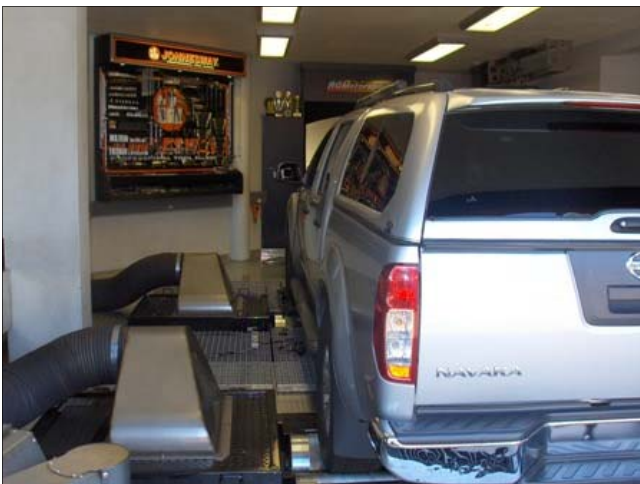
RGMotorsport has over the last year and a half invested in a state of the art high tech **dyno** facilities which include a 4 x 4 load type rolling road chassis dyno and a 2 wheel drive Hoffman load type dyno. Steven Green & Dirk Jonkers are RGM's two resident electronic tuning specialists who never shy away from the occasional all night tuning sessions making sure that the RGM race tuned Class A & Class T production cars are always completing their respective races as top 3 finishers and regular winners. These many long hours spent on tuning and setting up these vehicles benefit the RGM clientele tremendously as all the knowledge gained from the race track is utilized during the tuning and setting up process on the daily driving vehicles that spend time on our dyno's. Normally aspirated vehicles suffer power losses up here at 6000 feet above sea level and this is due to the higher altitude, atmospheric pressures and ambient temperatures that we experience on the reef. This is where the Unichip Q and the state of the art RGM dyno's play an extremely important role by allowing us to simulate the driving conditions on the road intern so allowing us to implement the correct timing and fuelling set ups to optimize the vehicles to achieve the best performance and consumption figures possible at 6000feet above sea level .

Both the dyno rooms are equipped with Evap coolers which are fresh air fed units, under vehicle fans, extractor fans as well as exhaust gas extraction units. We monitor and control the room temperature constantly so that all figures documented are repeatable. Power readings are done via a Dastek dyno control box on the 4 x 4 dyno and are corrected for temperatures and barometric pressures.

Currently RGM utilizes the Launch X431 scan tool, Maxiscan Scan tool and the Vag.comVW/Audi scanning software to communicate with the electronics on the various vehicles. A Dastek wideband air/fuel ratio meter , 4 gas analyzer, mechanical boost gauges, exhaust back pressure gauges and dual channel electronic oscilloscopes are some of the high tech electronic devises that assists us in getting the tuning down to a fine art.

The fine art of Dyno tuning is an integral part of our company and we say that the proof is in the pudding. To date the RGM tuned production cars have managed 12 wins in the last 14 races that they have competed in.

[http://www.rgmotorsport.com/html/video\\_clips.html](http://www.rgmotorsport.com/html/video_clips.html)





## FULL ROAD TEST RESULTS FROM RGM SUPERCHARGED LEXUS IS 250

Gerotek road test for the RGM Supercharged Lexus IS 250. Completed on the 9TH April 2009 ( 7am )  
Tests conducted @ 6000 feet above sea level



### Performance Acceleration

<b>RGM S/C Lexus IS 250 (Auto)</b>	<b>Lexus IS 250 (Auto) Standard</b>	
0-60 km/h	3.76	4.92
0-80 km/h	5.59	7.43
0-100 km/h	7.46	10.44
0-120 km/h	10.10	14.65
0 – 400 metres	15.90	17.67
Terminal speed 400m	155.63 km/h	133.12 km/h
0 – 1000 metres	28.47	31.56

### **Terminal speed over 1000 metres**

203.46 km/h	170.40 km/h
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### **Top speed over 5km**

271.6 km/h	236 km/h
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### Overtaking Acceleration

<b>RGM S/C Lexus IS250 (A)</b>	<b>Lexus IS 250 (A) Standard</b>	
60-80 km/h	1.83	2.51
80-100 km/h	1.87	3.01
100-120 km/h	2.64	4.21

RGMotorsport now offers a 1 year / 50,000km warranty policy for all vehicles that undergo stage 1 or 2 conversions as well as for all vehicles that have completed their maintenance plans. This is a fully comprehensive warranty policy which can be viewed at the following link

[http://www.rgmotorsport.com/html/rgm\\_warranty.html](http://www.rgmotorsport.com/html/rgm_warranty.html)

Please enquire about the full range of Vorsteiner Carbon Fibre product range for Bmw, Porsche & Mercedes Benz motor vehicles. Products can be viewed at <http://www.vorsteiner.com/>

Please contact Pieter Pretorius for all your parts requirements .....[parts@rgmotorsport.com](mailto:parts@rgmotorsport.com)

Please contact our Service Manager Willem for all servicing requirements....[service@rgmotorsport.com](mailto:service@rgmotorsport.com)

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