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## Maxximus G-Force Fact Sheet

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### The World's Fastest Street Legal Supercar Certified by The World Records Academy

Vehicle: Maxximus G-Force  
Owner/Developer: David Bruce McMahan  
Producer: Maxximus Technologies, Inc.  
Certification Date: October 7, 2008  
Location: Rockingham NC Raceway  
Driver/Designer: Marlon Kirby  
Results: Three New World Records  
Sale Price: Upon request

	0-60mph time in seconds	0-100 mph time in seconds	0-100 mph-0 time in seconds
<b>Maxximus</b>	<b>2.134</b>	<b>4.541</b>	<b>8.861</b>
*Ultima GTR 720	2.6	5.3	9.4
Bugatti Veyron	2.8	5.5	9.9
Ferrari Enzo	3.4	6.7	10.9
McLaren F1	3.2	6.3	11.5
Porsche Carrera GT	3.7	7.4	11.6

\*Ultima GTR 720 – with 720 horsepower Chevrolet engine, no electronic traction devices or ABS.

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### **What is the basic design of the Maxximus G Force?**

The Maxximus is configured as a mid Engine, rear-wheel drive and has massive brakes; AP Racing 14.2 inch with 6 piston caliper (No ABS). It also boasts a custom tuned suspension to handle the horsepower needed to break speed records. The engine chosen to power the Maxximus is a beast of a twin turbo Chevrolet V-8, based on a Brodix all aluminum small block (434 cu. inch) engine. The motor is force-fed by two Turbonetics turbos and controlled by an Electromotive Tec3R engine management system. When spooled up the engine produces over 1,600 horsepower at the flywheel. To harness the power a custom 3 speed paddle shifting transmission was developed. For day to day use Michelin Pilots are sufficient, but for ultimate traction, highway DOT legal Hooiser A-6's (345 30 18 rear / 245 35 18 front) are employed. Without traction control or ABS, tire selection, chassis balance, and gearing are critical to transmit power to the road and bring the car to a stop in record time.

### **The Maxximus is developed from the Ultima GTR. What makes this car so special?**

To understand the uniqueness of the Maxximus, you must first take into account the considerable accomplishments of the Ultima GTR 720. The GTR is a formidable sports car in its own right, with a long pedigree of development on racetracks and roads in the UK. It has evolved over two decades, since the original version captured the kit car Group K racing championship at the hands of Lee Noble. McLaren purchased two Sports models (the predecessor model to the Ultima GTR) for drivetrain development and suspension development for their famous McLaren F1. Over time it has matured from a dominating track rat to a street legal cruiser by adding proper crumple zones and safety features. The average Ultima GTR with a small block Chevy engine weighs around 2300lbs, and measures in at 157.4 inches long, 72.83 inches wide, and 41.33 inches tall with a ground clearance of over 4.5 inches.

A standard Rolling Chassis Ultima GTR kit is a mid-engine, rear drive vehicle that comes with a complete space frame chassis using mainly 38 mm x 1.5 mm diameter tubing that is mig welded. It includes: 12.7 inch AP brakes and brake proportioning valve (No ABS), adjustable coil over shocks, A/C, heater, electric mirrors, leather seats, leather dashboard, 6 speaker radio system, single color unstressed GRP finished blue gel coated body, and a fully adjustable carbon fiber wing. The Ultima kit also includes a set of three piece 13" x 18" rear 9" x 18" front wheels.

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**What design changes are required to transform an Ultima GTR into a Maxximus?**

One must press the reset button on the entire Ultima GTR drivetrain and a good portion of the chassis. This is no easy task, requiring hundreds of hours of custom fabrication because the ease of using a Porsche G-50 transmission is no longer an option. A further challenge involved moving the engine to sit in further on the chassis. This is necessary in order for the Maxximus to harness over 1,600 hp, something the stock Ultima GTR chassis and drive train are not capable of handling.

The Maxximus interior was custom designed by an aircraft interior specialist, resulting in a 'fighter jet' aesthetic look and feel. The sleek dash and interior roll into the comforts of a luxury car including: heating and air conditioning, AM/FM stereo with CD, navigation system with MP3 and DVD, all digital instrumentation and a push button start.

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