

911 GT3 RS: Fuel consumption* combined (WLTP) 13.2 l/100 km, CO_2 emissions* combined (WLTP) 299 g/km, CO_2 class G , CO_2 class weighted combined G

Manthey kit for 911 GT3 RS world premiere at Icons of Porsche in Dubai

22/11/2024 Few, if any, cars bring more pure motorsport technology to the road than the Porsche 911 GT3 RS. The new Manthey kit can further enhance the on-track performance of this top-of-the-range sports car through improved aerodynamic efficiency, modified suspension and optimised braking components.

Porsche is offering a Manthey kit for the current 911 GT3 RS (992) for even higher performance on track, with the enhancement package unveiled in a world premiere at the Icons of Porsche festival in Dubai.

The kit provides significantly increased contact pressure and, as a result, higher cornering speeds. The suspension has been specially adapted for driving on the racetrack, while the brakes are optimised for

the particularly high demands of track-day driving. The new Manthey Kit was developed as part of a close collaboration between the Porsche Development Centre in Weissach and the Manthey engineers in Meuspath. These track-focused components will be distributed via Porsche Centres.

More than a tonne of downforce at 285 km/h

The extensive changes to the aerodynamic components make the Manthey Kit for the 911 GT3 RS immediately recognisable. The spoiler lip with its new wing profile has been significantly enlarged and is supported by reinforcing elements made of carbon fibre. Together with redesigned wheel arch Gurney flaps and two dive planes on each side of the front bumper, the spoiler lip increases downforce on the front axle.

The rear window is replaced by a 25-per-cent lighter carbon fibre panel on which a carbon fibre shark fin is mounted. The fin was derived from the World Sportscar Championship-winning 963 and is designed to increase cornering stability. In conjunction with six additional roof fins, it also diverts the warm output air from the front radiator outwards, thus ensuring that cooler intake air is drawn in at the rear, even under extreme operating conditions.

The split carbon fibre DRS wing element – in conjunction with larger, redesigned end plates – increases downforce on the rear axle. The significantly widened rear diffuser with longer carbon fibre fins also increases downforce without increasing air resistance. The carbon fibre 'aerodisc' wheel covers reduce air resistance and make the perfect addition to the combination of aerodynamic components, which work seamlessly to optimise air flow and maximise overall efficiency. Overall, the downforce has been increased significantly, without increasing drag. At 285 km/h, the 911 GT3 RS with Manthey Kit produces more than 1,000 kg of downforce. This enables higher speeds on fast and medium-speed corners and maximises vehicle stability.

Semi-active coilover suspension

The spring rates of the semi-active coilover suspension have been adjusted for the higher downforce figures. The spring rates were increased by 30 per cent on the front axle and by 15 per cent on the rear. Four wheel- and three body-acceleration sensors – along with a newly developed control unit – ensure fully automatic damper tuning that is extremely fast and even more precise than before. The new shock absorbers operate with two separate valves for the compression and rebound stages and are independently controlled. This ensures precise adjustment for changing driving situations and road conditions, which maximises stability on the racetrack. Depending on the driving mode (Normal, Sport, Track), different sets of parameters are available for different basic damper characteristics. In Track mode, the basic setup can also be manually adjusted to your personal preferences using the rotary controls on the steering wheel.

Racing brake pads specially optimised for track days

The braking components of the Manthey Kit are tailored to the requirements of driving on the racetrack. The steel-sheathed brake lines provide an even more direct pedal feel and a faster response time. Optional racing brake pads are available for cars with the Porsche Ceramic Composite Brake (PCCB). These pads have been specially developed for track-day use and reduce fading while also increasing responsiveness and control precision. The brake pads are characterised by consistent performance over a wide temperature range and very good wear resistance for both the pads themselves as well as the discs.

Extensive accessories enhance individuality

Customers wishing to add more visual touches can customise their 911 GT3 RS with particularly sporty accessories. Illuminated door sill guards in carbon fibre with Manthey lettering in red and white, LED door projectors with white Manthey lettering, and decals in various colours on the carbon 'aerodiscs' emphasise the distinct character of the 911 GT3 RS. In addition, the Manthey lettering can be applied to the car doors in either Neodyme, white or black. A towing eye is available for when driving on the racetrack, and can be used on the front or rear. It is available in red, black or yellow and can be attached to either end using the appropriate threaded hole. It must be removed if the car is to be used on public roads.

Significantly improved performance on track

"With the Manthey Kit, the 911 GT3 RS has improved significantly on the racetrack, especially on medium-speed corners," said Porsche Brand Ambassador Jörg Bergmeister. "The car dives, pitches and rolls even less, offering a much more stable aerodynamic platform. The high contact pressure therefore remains very constant under all driving conditions."

"Over a period of two years, we worked together with Porsche engineers on the new Manthey Kit for the 911 GT3 RS and tested it over several thousand kilometres on European racetracks and on the Nürburgring Nordschleife," said Nicolas Raeder, Managing Director of Manthey Racing GmbH.

"Our data promises a significant improvement in lap times compared to the standard 911 GT3 RS. So far, weather conditions have prevented us from achieving an official lap time on the Nordschleife. We want to make up for this at the next possible opportunity."

The Manthey Kit for the 911 GT3 RS can be ordered now. It will be available from March 2025 with installation at a Porsche Centre. The manufacturer's warranty for the 911 GT3 RS remains unaffected.

In The Media

MEDIA ENQUIRIES



Chris Jordan

Head of Public Relations Porsche Middle East & Africa
+971 4 356 9911
PR@porsche-me.ae



Mahvesh Sayed

PR Specialist Porsche Middle East & Africa
+971 4 356 9911
PR@porsche-me.ae

Consumption data

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*Further information on the official fuel consumption and the official specific CO_2 emissions of new passenger cars can be found in the "Leitfaden über den Kraftstoffverbrauch, die CO_2-Emissionen und den Stromverbrauch neuer Personenkraftwagen" (Fuel Consumption, CO_2Emissions and Electricity Consumption Guide for New Passenger Cars), which is available free of charge at all sales outlets and from DAT (Deutsche Automobil Treuhand GmbH, Helmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen, www.dat.de).

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