



Porsche 911 GT3 Cup (Type 991)

Model Year 2015 – Vehicle Description

Concept:

- Single-seated, near-standard race vehicle
- Based on the 911 GT3

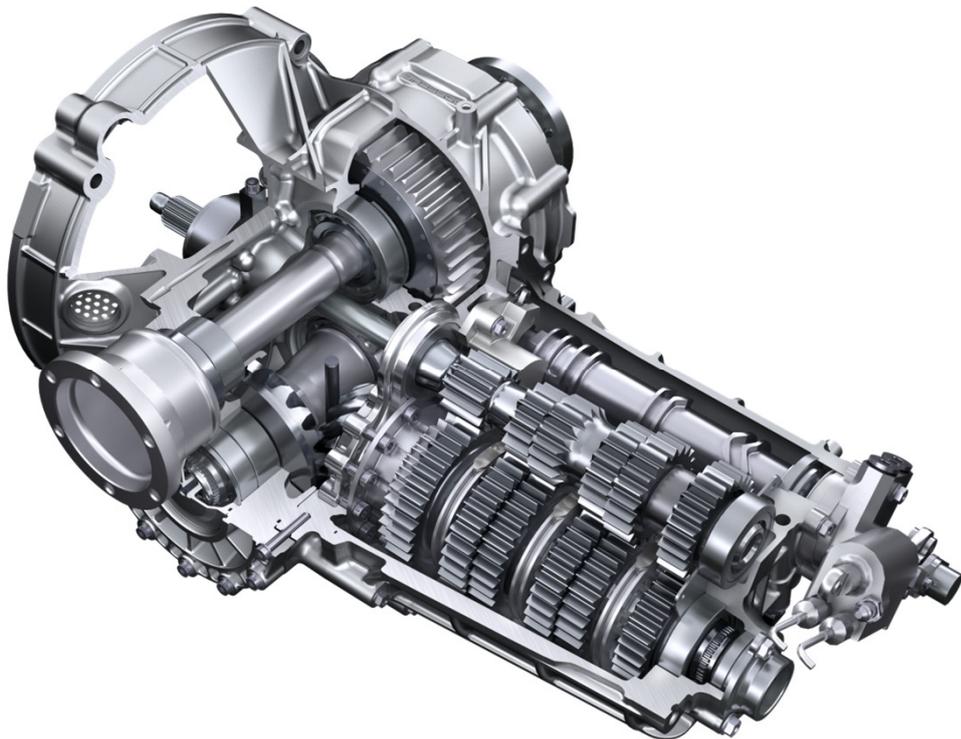
Engine:

- Aluminum six-cylinder rear-mounted boxer engine
- Sealed
- 3,800 cc; stroke 76.4 mm; bore 102.7 mm
- Max. power: 338 kW (460 hp) at 7,500 rpm
- Max. rpm: 8,500 rpm
- Single-mass flywheel
- Water cooling with heat management for engine and gearbox
- Four valves per cylinder
- Sequential multi-point fuel injection
- Required fuel quality: minimum 98 octane, unleaded
- Dry-sump lubrication
- Electronic engine management (Bosch MS 4.6)
- Race exhaust system with regulated race catalytic converter
- Rear silencer with centered exhaust pipe
- Electronic acceleration pedal



Transmission:

- Porsche six-speed sequential dog-type gearbox
- Gear ratios:
 - Ring & pinion gear 14/22 $i = 1.571$
 - Final drive 17/41 $i = 2.412$
 - 1st gear 13/41 $i = 3.154$
 - 2nd gear 17/40 $i = 2.353$
 - 3rd gear 19/36 $i = 1.895$
 - 4th gear 19/29 $i = 1.526$
 - 5th gear 24/30 $i = 1.250$
 - 6th gear 34/35 $i = 1.029$
- Internal pressure-oil lubrication with active oil cooling
- Limited slip differential
- Triple-disc sintered metal race clutch
- Pneumatic paddle shift system



Bodywork:

- Lightweight bodywork with smart aluminum-steel composite construction
- Welded-in roll cage, in compliance with FIA Homologation Regulations for safety cages
- Front bonnet with two air inlets for cockpit ventilation and quick fasteners
- Removable roof section
- Rescue bar analogue DTM system
- Modified and widened 911 GT3 fenders
- Modified rear wheel arches
- Modified and widened 911 GT3 front-end with spoiler lip
- Modified 911 GT3 rear-end with integrated rain light, in compliance with FIA Homologation Regulations
- Lightweight exterior:
 - CRP doors with sport-design rear-view mirrors
 - CRP rear engine lid with quick fasteners
 - CRP rear wing; adjustable
 - PC windows and rear side windows with ventilation openings
 - PC rear window
- Underbody tray with air routing for brake- and driveshaft cooling in the rear
- Modified 911 cockpit:
 - Magnesium sub-frame in light weight design
 - Ergonomic driver-oriented center console
 - Switch mask with fluorescent lettering
 - Steering wheel with quick release coupling, control panel and shift paddles
- Race bucket seat with longitudinal adjustment:
 - Homologated to latest FIA requirements
 - Individual padding system
- Six-point seat belt
- 100 liter fuel cell (FT3 safety fuel cell)
- Built-in air jack system (three legs)

Suspension:

Front axle:

- McPherson suspension strut, adjustable in height, wheel camber and track
- Forged struts:
 - Optimized stiffness
 - Double shear tie rod connection
 - Heavy-duty spherical bearings
- Wheel hubs with center lock
- Racing shock absorbers, non-adjustable
- Forged supporting mounts
- Double-blade-type anti-roll bar
- Electrohydraulic power steering

Rear axle:

- Multilink rear suspension, adjustable in height, wheel camber and track
- Forged struts:
 - Optimized stiffness
 - Double shear tie rod connection
 - Heavy-duty spherical bearings
- Wheel hubs with center lock
- Racing shock absorbers, non-adjustable
- Forged supporting mounts
- Double-blade-type anti-roll bar

Brake System:

Two independent brake circuits for front and rear axle, adjustable by the driver via brake balance system

Front axle:

- Aluminum six-piston racing calipers in mono-bloc design
- Multi-piece steel brake discs; internally vented and slotted, 380 mm diameter
- Racing brake pads
- Optimized ventilation routing

Rear axle:

- Aluminum four-piston racing calipers in mono-bloc design
- Multi-piece steel brake discs; internally vented and slotted, 380 mm diameter
- Racing brake pads
- Optimized ventilation routing

Rims/ Tires:

Front axle:

- Single-piece light-alloy rims according to Porsche specification and design with center lock, 10.5J x 18 ET 28
- Michelin transportation tires; tire size: 27/65-18

Rear axle:

- Single-piece light-alloy rims according to Porsche specification and design with center lock, 12J x 18 ET 53
- Michelin transportation tires; tire size: 31/71-18



Electrics:

- COSWORTH color display ICD
- COSWORTH electrical system control unit IPS32
- Electronic throttle system
- Fire extinguishing system (extinguishing agent: gas)
- Battery 12 V, 70 Ah (AGM), leak-proof, placed in the co-driver foot well
- Alternator 150 A
- Fan in light weight design
- Wiper with direct drive
- Lighting system:
 - Bi-xenon-headlight
 - LED daytime running light
 - LED rear lighting system and rain light



Weight/**Dimensions:**

- Total weight: approx. 1,200 kg
- Total length: 4,547 mm
- Total width: 1,851 mm
- Total height: 1,280 mm
- Wheel base: 2,458 mm

Colors:

- Water-based paint
- Exterior: white C9A
- Interior: white filler-coat, no clear-coat finish

Delivery:

October 2014 – March 2015

**Conformity with
Regulations:**

Each customer is responsible for his car to fully comply with the relevant regulations.

This document replaces previously published information.

Vehicle cannot be registered for public road use.

All data subject to change without prior notice.