



2020 TOYOTA GR SUPRA

PAPADAKIS RACING ROCKSTAR ENERGY DRINK GR SUPRA

Stephan Papadakis Racing was one of the first to dive in and modify the GR Supra's stock B58 2,988cc inline six-cylinder engine for racing, documenting the build and sharing on YouTube just weeks after Toyota's new sports car landed in dealer showrooms.

Focused on pushing the robust new engine's performance limits, the team tore down the engine, reworked the head, and added a package of competition-level components with an eye on increasing performance without sacrificing reliability. Upon completion, they nearly tripled the output to 1,033 horsepower and 908 lbs.-ft. of torque, compared to the stock engine's already formidable 382 horsepower and 368 lbs.-ft. of torque.

Driver Fredric Aasbo put the No. 151 GR Supra on the top of the box in its competition debut at the 2020 season opener, and is currently in contention for the championship title. The season finale will be held Nov. 20-22 in Irwindale, California.



LEAD BUILDER: Stephan Papadakis Racing

ENGINE: 2,998cc DOHC 24-valve Inline 6-cylinder, Turbocharged

HORSEPOWER: 1,033 horsepower

TORQUE: 908 lbs.-ft.

TURBOCHARGER: BorgWarner EFR 9280

WASTEGATES: Dual TiAL Sport MV-R 44mm

FUEL INJECTORS: Injector Dynamics 2000cc (6)

FUEL REGULATOR: AEM Performance Electronics

FUEL FILTER: AEM Performance Electronics 25-201BK

FUEL PUMPS: AEM Performance Electronics 400LPH Pumps (2)

CYLINDER HEADWORK: Portflow Design

VALVETRAIN: Supertech Performance

RODS: BC Forged Steel

PISTONS: JE Pistons (custom 11-to-1 compression)

HEAD STUDS: ARP

CRANKSHAFT: OEM

EXHAUST CAM: Kelford Cams

INTAKE MANIFOLD: Mountune 3D Printed Aluminum

TURBO MANIFOLD: Full Race

FUEL: E85 Ignite Red 114 Ethanol

ENGINE OIL: Synthetic 5W50