Like any instant classic, the 2020 GR Supra is an amazing sports car. The Supra’s return made it the perfect platform to use in a SEMA Show build-off between Ed Laukes, group vice president, Toyota Division Marketing and TV star Rutledge Wood. With direction from Ed, Toyota collaborated with Marty Schwerter and his team at Motorsports Technical Center (MTC) to incorporate some classic details from the legendary MKIV while staying inside the fenders of the GR Supra.

An actual MKIV Supra wing, customized by MTC and LG Motorsports sits atop the hatch, a visual cue of its heritage. Incorporating other vintage elements like the headlights and taillights proved a daunting challenge. This led to the design and manufacture of custom lighting, which feature 3D-printed buckets and lenses CNC-machined from blocks of acrylic.

On the performance side, a customized factory turbocharger by Precision Turbo & Engine provides an additional 18-percent airflow. With ECU calibration by Mission Performance, the Heritage Edition made over 500 horsepower heading into the show.

Putting the power to the ground required as much tire under the chassis as possible. To maintain the body lines while accommodating a wider wheel and tire packaged at the rear, MTC and Scarbo Performance designed an inboard suspension system. Borrowed from open-wheel racecar designs, this suspension allowed the use of 11-inch wide HRE P107SC wheels with meaty 305/30R19 Toyo Proxes R888R tires without cutting the rear fenders. Behind the wheel spokes, Brembo Monobloc calipers with 2-piece rotors reign in the speed at all four corners.

**LEAD BUILDER:** Marty Schwerter, Motorsports Technical Center (MTC)
**DESIGN/STYLING:** Beree Cox, Ed Laukes
**MECHANIC/FABRICATORS:** Rich Garver, Brad Vetter
**BODYWORK (AERO, SPLITTER AND WING):** LG Motorsports
**REAR DIFFUSER:** MTC, Cripworks
**PAINTER:** LA Prep
**COLOR:** PPG Paint, Re-entry Red
**ENGINE:** 2,998cc DOHC 24-valve In-line 6-cylinder Engine, Twin-scroll Single-turbocharger
**HORSEPOWER:** 500+ Horsepower
**ENGINE TUNING:** Mission Tuning
**TURBO:** Precision Turbo & Engine Modified Stock Turbocharger

**AIR INTAKE:** MTC, K&N Intake System
**DOWNPIPE:** Titan Motorsports
**EXHAUST:** MTC Custom Exhaust
**BRAKES:** Brembo Monobloc (Front: M6 Calipers/380x34mm 2-piece Rotors, Rear: M4 Calipers/380x28mm 2-piece Rotors)
**BRAKE PADS:** Hawk Performance DTC 60 compound Brake Pads
**WHEELS:** HRE P107SC (Front: 19x10.5-inch, Rear: 19x11-inch)
**TIRES:** Toyo Proxes R888R Tires (Front: 295/30R19, Rear: 305/30R19)
**SUSPENSION:** TEIN Adjustable Coil-over Suspension
**REAR ROCKER ARM SUSPENSION:** MTC, Scarbo Performance Custom Design