



# GYMKHANA 2020 STI

## Pastrana/Gymkhana 2020 Subaru WRX STI Specifications

PREPARED BY VERMONT SPORTSCAR

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## SPECIFICATIONS

### ENGINE

- Custom Vermont SportsCar 2.3-liter horizontally-opposed 4-cylinder SUBARU BOXER engine
- 862 bhp and 664 lb-ft torque
- Turbocharged and intercooled
- VSC billet block and billet heads
- Garrett Motorsports turbocharger
- Dry sump oil system
- VSC twin belt timing system with carbon fiber covers
- VSC inlet manifold and carbon fiber cover
- DLC coated camshafts
- Sodium-cooled valves
- VSC anti-lag system and turbo management

### TRANSMISSION & DRIVE SYSTEM

- SADEV 6-speed sequential dog-engagement gearbox
- Custom driveshafts and propshaft
- Alcon triple-plate carbon racing clutch
- VSC carbon fiber gear lever
- VSC front differential
- SADEV rear differential

### BODY & AERODYNAMICS

- Custom wind tunnel-tested carbon fiber wide-body
- Carbon fiber flat floor, skid plate and rear diffuser
- Carbon fiber multi-element rear wing with active upper wing element
- Polycarbonate front windshield
- VSC polycarbonate side and rear windows
- STI S209 carbon fiber roof
- STI competition LED tail lights

### SUSPENSION

- Reiger competition suspension
- VSC tubular front and rear cross members
- VSC suspension arms and links
- VSC hubs and spindles
- Custom motorsport steering rack (11:1 Ratio)
- Motorsport high-flow power steering pump

### SHELL PREP & SAFETY

- Production Subaru shell
- Custom FIA-specification T45 roll cage
- Lifeline ZERO275 multi chamber fire suppression system
- FIA FT3.5 Fuel Cell (35+ Liters)
- RECARO ProRacer SPG w/HANS (Head & Neck Restraint)
- Schroth Enduro Harnesses
- SPARE AIR, 3.0 cu. ft. reserve air tank recessed into driver side door
- SPARE AIR Extreme 6, 6.0 cu. ft. reserve air tank mounted behind driver seat

### WEIGHT

- 2623lbs (1,190kg) without driver

### INTERIOR

- VSC carbon fiber dashboard
- VSC carbon fiber door cards
- VSC carbon fiber driver footplate
- Cosworth driver digital display
- MoTec vehicle-status display



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**SUBARU**  
MOTORSPORTS USA



## SPECIFICATIONS

### EXHAUST SYSTEM

- Custom exhaust manifold
- 3D printed Inconel-alloy hood-exit exhaust

### BRAKES

- Alcon 350mm front brakes
- Alcon 320mm rear brakes
- Endless brake pads ME20 RCP002
- VSC hydraulic handbrake

### ELECTRICAL

- Cosworth MQ12DI ECU
- Lightweight motorsport wiring loom
- Cosworth electronic power control module and switch units
- Cosworth data logger

### COOLING

- PWR radiator mounted in rear seat area
- Custom carbon fiber radiator ducting
- PWR front-mounted intercooler

### WHEELS & TIRES

- Method Race Wheels 18" 502 Rally Series wheel
- Yokohama ADVAN A052
- Yokohama ADVAN Apex

### FLUIDS

- Engine oil: MOTUL 300V 20W60
- Transmission and differentials: MOTUL Gear Competition 75W140

