

2020 Subaru WRX® STI®

Specifications

Body	4-door wide-body design, 5-passenger	
Engine	4-cylinder SUBARU BOXER, turbocharged/intercooled; SI-DRIVE Engine Performance Management system; die-cast aluminum cylinder block with integral cast iron cylinder liners, five main bearings, semi-closed deck cylinder design	
Displacement	2,457 cc	
Bore x Stroke	99.6 x 79.0 mm	
Heads/Valvetrain	Aluminum alloy cylinder heads with belt-driven double overhead camshafts (DOHC), four valves per cylinder, Subaru Dual Active Valve Control System (DAVCS) variable valve timing (operates on intake and exhaust valves)	
Compression ratio	8.1:1	
Fuel/Induction	Aluminum alloy intake manifold, sequential multi-port fuel injection (MFI), electronic throttle control (ETC) system, turbocharger, cross-flow intercooler	
Max. boost	16.2 PSI	
Horsepower	310 @ 6,000 rpm	
Torque	290 lb-ft @ 4,000-5,200 rpm	
Ignition	Direct	
Fuel requirement	91 AKI minimum; 93 AKI recommended for maximum performance	
All-Wheel Drive	Symmetrical All-Wheel Drive with Multi-Mode Driver Control Center Differential (DCCD) featuring three performance modes and six driver-selectable differential locking settings; electronically controlled limited-slip center differential; helical limited-slip front differential and TORSEN® limited-slip rear differential, steering angle input sensor; nominal torque split is 41:59	
Stability system	Multi-mode Vehicle Dynamics Control (VDC) stability and traction control system with yaw-rate sensor; Active Torque Vectoring	
Transmission	6-speed manual transmission	
Gear ratios	1	3.636
	2	2.235
	3	1.590
	4	1.137
	5	0.971
	6	0.756
	R	3.545
Final drive	3.900	
Chassis	Unitized body construction with Ring-shaped Frame Reinforcement structure; high-tensile steel reinforcements at key structural and suspension-mounting locations	
Suspension	4-wheel independent, high-performance STI sport-tuned	
Front	Inverted struts with forged aluminum-alloy lower A-arms with pillow ball joint mount, coil springs, 24mm stabilizer bar	
Rear	Double-wishbone type with coil springs and damper units, stiffener bar, 20mm stabilizer bar	

Brakes	Brembo® Performance Brake System, power assisted 4-wheel disc with 4-channel, 4-sensor Super-Sport anti-lock brake system (ABS) with g-sensor; Electronic Brake-force Distribution (EBD), Brake Assist and Brake Override
Front disc	13.4 in. ventilated and cross-drilled with 6-piston monoblock calipers
Rear disc	12.8 in. ventilated and cross-drilled with dual-piston monoblock calipers
Steering	Quick-ratio hydraulic power assisted rack-and-pinion
Ratio	13.3:1
Turns, lock-to-lock	2.5
Turning circle	36.0
Wheels	19 x 8.5-in. cast alloy with dark gray finish w/ machine finish
Tires	245/35R19 89W summer performance
Exterior Dimensions	
Wheelbase	104.3 in.
Length	180.9 in.
Height	58.1 in.
Width	70.7 in.
Track (front/rear)	60.2 in. / 60.6 in.
Road clearance	4.9 in.
Curb weight (lb.)	WRX STI: 3,450. WRX STI Limited: 3,514
Interior Dimensions	
Headroom	Front: 39.8 in. With moonroof: 37.2 in. Rear: 37.1 in.
Legroom	Front: 43.3 in. Rear: 35.4 in.
Hip room	Front: 52.1 in. Rear: 53.1 in.
Shoulder room	Front: 55.6 in. Rear: 54.2 in.
EPA passenger volume	96.6 cu. ft. With moonroof: 93.1 cu. ft.
EPA trunk volume	12.0 cu. ft.
Trunk liftover height	27.0 in.
Fuel Economy	
City / highway / combined mpg	EPA estimated: 16/22/19
Fuel tank capacity	15.9 gal